

Contents

Volume 48 (1988)

Nos. 1,2

L. Stuhne-Sekalec and N.Z. Stanacev (Toronto, Canada), <i>Interaction of cyclosporin A with 1,2-dimyristoyl-sn-glycero-3-phosphocholine unilamellar vesicles studied by electron spin resonance</i>	1
W.K. Wilson, K.-S. Wang, A. Kisic and G.J. Schroepfer Jr. (Houston, TX), <i>Concerning the chemical synthesis of 3β-hydroxy-5α-cholest-8(14)-en-15-one, a novel regulator of cholesterol metabolism</i>	7
D.L. Dorset and W.A. Pangborn (Buffalo, NY), <i>Polymorphic forms of 1,2-dipalmitoyl-sn-glycerol: a combined X-ray and electron diffraction study</i>	19
G.J. Schroepfer Jr., A. Christophe, A.J. Chu, A. Izumi, A. Kisic and B.C. Sherill (Houston, TX), <i>Inhibitors of sterol synthesis. A major role of chylomicrons in the metabolism of 5α-cholest-8(14)-en-3β-ol-15-one in the rat</i>	29
S.M. Fagan and K.M.W. Keough (St. John's, Canada), <i>Models of pulmonary surfactant: monolayers of dipalmitoylphosphatidylcholine and phosphatidylinositol</i>	59
F. Castelli, S. Gurrieri, A. Raudino and A. Cambria (Catania, Italy), <i>Effect of cholecalciferol on thermotropic behaviour of phosphatidylethanolamine and its N-methyl derivatives</i>	69
M.S.F. Lie Ken Jie and Y.F. Zheng (Hong Kong), <i>Boron trifluoride catalyzed reactions involving a dimethylene interrupted methyl 2,2'-biloxiran-2-yl C₁₈ fatty acid ester</i>	77
M. Krumbiegel, O. Zschoernig, K. Arnold, O. Panasenko, T. Volnova, O.A. Azizova, A.I. Deev and K. Herrmann (Leipzig, G.D.R. and Moscow, U.S.S.R.), <i>Interaction of glycosaminoglycans with low density lipoproteins and liposomes detected by alterations of surface potential</i>	83
A. Hattenbach and G. Linsel (Jena, G.D.R.), <i>Further characterization of the interaction of a phytotoxic phosphonic acid dialkyl ester with lipid membranes</i>	91
D. Mangroo and G.E. Gerber (Hamilton, Canada), <i>Phospholipid synthesis: effects of solvents and catalysts on acylation</i>	99
H. Li, N. Düzgüneş, E. Ayanoğlu and C. Djerassi (Stanford and San Francisco, CA), <i>Analogs of unusual sponge phospholipids. Synthesis and thermotropic properties of 1,2-di-(6Z,9Z)-6,9-hexacosadienoyl phosphatidylcholine and phosphatidylethanolamine</i>	109
J.M. Vatèle, J.L. Sébédio and J.L. Le Quéré (Villeurbanne and Dijon, France), <i>Cyclic fatty acid monomers: synthesis and characterization of methyl ω-(2-alkylcyclopentyl) alkenoates and alcanoates</i>	119
A. Vercellone, M. Rivière, J.-J. Fournié and G. Puzo (Toulouse, France), <i>Structural analogy between the major phenolic glycolipid antigens from two Mycobacteria species: kansasii and gastri</i>	129
J.N. Herak, G. Pifat, J. Brnjas-Kraljevic, G. Lipka, K. Müller and G. Knipping (Zagreb, Yugoslavia, Zürich, Switzerland and Graz, Austria), <i>Causal relationship between the transitions in the core and the surface in porcine low-density lipoproteins</i>	135
D.W. Johnson and A. Poulos (North Adelaide, Australia), <i>Syntheses of deuterium-labelled pristanic and phytanic acids</i>	141
P.K. Sripada (Boston, MA), <i>Synthesis of single- and double- ¹³C-labeled cholesterol oleate</i>	147

Nos. 3,4

T.N. Pajewski, F.D. Pinkerton, L.R. Miller and G.J. Schroepfer, Jr. (Houston, TX), <i>Inhibitors of sterol synthesis. Studies of the metabolism of 5α-cholest-8(14)-en-3β-ol-15-one in Chinese hamster ovary cells and its effects on activities of early enzymes in cholesterol biosynthesis</i>	153
--	-----

K. Tamura, Y. Higashi and A. Suzuki (Tokushima, Japan), <i>Studies of fluorescence depolarization at high pressures of dimyristoylphosphatidylcholine liposomes containing poly(γ-benzyl-L-glutamate)</i>	169
L.C. Stewart, M. Kates and I.C.P. Smith (Ottawa, Canada), <i>Synthesis and characterization of deoxy analogues of diphytanylglycerol phospholipids</i>	177
T. Inoue, T. Iwanaga, K. Fukushima, R. Shimozawa and Y. Suezaki (Fukuoka and Saga, Japan), <i>Interaction of surfactants with bilayer of negatively charged lipid: effect on gel-to-liquid-crystalline phase transition of dilauroylphosphatidic acid vesicle membrane</i>	189
K. Fukuzawa, T. Yoshimura, T. Fujii, K. Takauchi, M. Miki, H. Tamai and M. Mino (Tokushima and Takatsuki, Japan), <i>Theoretical analysis of a site-specific chemiluminescence reaction and its application to quantitation of lipid hydroperoxides</i>	197
R.D. Koynova, B.G. Tenchov, P.J. Quinn and P. Laggner (Sofia, Bulgaria, London, U.K. and Graz, Austria), <i>Structure and phase behavior of hydrated mixtures of L-dipalmitoylphosphatidylcholine and palmitic acid. Correlations between structural rearrangements, specific volume changes and endothermic events</i>	205
T.G. Bourke, A.S. Rudolph, R.R. Price, J.P. Sheridan, A.W. Dalziel, A. Singh and P.E. Schoen (Washington DC, WA and Fort Washington, MD), <i>Differential scanning calorimetric study of the thermotropic phase behavior of a polymerizable, tubule-forming lipid</i>	215
D. Lichtenberg, E. Werker, A. Bor, S. Almog and S. Nir (Tel Aviv and Rehovot, Israel), <i>Precipitation of calcium palmitate from bile salt-containing dispersions</i>	231
H.-D. Dörfler, G. Brezesinski and P. Miethe (Dresden and Halle, GDR), <i>Phase diagrams of pseudo-binary phospholipid systems I. Influence of the chain length differences on the miscibility properties of cephaline/cephaline/water systems</i>	245
E.J. Parish, H. Honda, S. Chitrakorn and F.R. Taylor (Auburn, AL and Bar Harbor, ME), <i>A facile synthesis of lanost-8-en-3β-ol-24-one (24-ketolanosterol). An inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase</i>	255
T. Tanaka, K. Miyazaki, Y. Kishimoto, M. Stoskopf, L.S. Kan, P. Demirev, C. Fenselau and S. Ando (Baltimore, MD and Tokyo, Japan), <i>2,4-Dinitrophenylhydrazides of polysialogangliosides</i>	261
G. Lipka, R.A. Demel and H. Hauser (Zurich, Switzerland and Utrecht, Netherlands), <i>Phase behaviour of lipid X</i>	267
P. Schieberle, Y. Trebert, J. Firl and W. Grosch (Garching, F.R.G.), <i>Photolysis of unsaturated fatty acid hydroperoxides 4. Fatty acid products from the aerobic decomposition of methyl 13(S)-hydroperoxy-9(Z),11(E)-octadecadienoate dissolved in cyclohexane</i>	281
A. Alaiz, F.J. Hidalgo, R. Zamora, F. Millán, M.P. Maza and E. Vioque (Sevilla, Spain), <i>Synthesis of 9,12-epoxyoctadeca-9,11-dienoic acid</i>	289
Book Review	293
Corrigendum	295
Subject Index—Volume 48	297
Author Index—Volume 48.....	301
Contents—Volume 48.....	303

